INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

February 2, 2004

TO: Interested Parties / Applicant

RE: Parker Hannifin Corporation / F123-13918-00015

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 9/16/03

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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

Parker Hannifin Corporation, Process Filtration Division
Highway 66
Tell City, Indiana 47586

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 123-13918-00015	
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:February 2, 2004 Expiration Date:February 2, 2009

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary filtration products manufacturing source.

Authorized individual:	General Manager
Source Address:	Highway 66, Tell City, Indiana 47586
Mailing Address:	P.O. Box 339, Tell City, Indiana 47586
General Source Phone:	(812) 547-2371
SIC Code:	3298
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

(a) One (1) carbon cartridge end cap adhesion process, identified as EU-2, installed in 1991, exhausting to Stack B, capacity: 0.784 pounds of adhesive per hour.

(b) One (1) fiberglass baking process, identified as EU-3, installed in 1974, exhausting to Stack D, capacity: 92.57 pounds of fiberglass per hour.

(c) Flo Pak Plastisol process, identified as EU-5, installed in 1994, exhausting to Stack S-6, capacity: 16.35 pounds of plastisol per hour.

(d) One (1) PCC Flo Pak process, installed in 1994, including the curing process, identified as EU-1c, exhausting to Stacks J-1, J-2, J-3, and J-4, capacity: 167 pounds of paper per hour.

(e) One (1) needled media process, installed in 1985, identified as EU-4, controlled with a dust collector DC-3 and exhausting to Stack H, capacity: 682 pounds of media per hour.

(f) One (1) manual spray booth, identified as MB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-5, capacity: 25 steel vessels per hour.

(g) One (1) Pro-Bond process, consisting of the following equipment:

(1) One (1) resin impregnator, identified as R-1, installed in 2001, capacity: 180 logs per hour and 1.3 pounds of resin per log.

(2) One (1) cut and pack process, identified as CP-1, installed in 2001, controlled with a dust collector DC-1 and exhausting to the plant interior, capacity: 180 logs per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:

(1) One (1) natural gas-fired boiler, identified as B-1, installed in 1958, exhausting to Stack S-7, rated at 2.68 million British thermal units per hour.[326 IAC 6-2-3]

(2) One (1) natural gas-fired cure oven, identified as PC-1, to be installed in 2001, exhausting to Stack S-1, rated at 1.6 million British thermal units per hour.

(3) One (1) natural gas-fired cure oven, identified as FC-1, to be installed in 2001, exhausting to Stack S-2, rated at 2.75 million British thermal units per hour.

(4) One (1) natural gas-fired cure oven, identified as SC-1, to be installed in 2001, exhausting to Stack S-3, rated at 0.35 million British thermal units per hour.

(5) One (1) natural gas-fired oven, identified as CO, rated at 0.35 million British thermal units per hour.

(6) One (1) natural gas-fired oven, identified as EU-1b, installed in 1994, exhausting to Stacks J-1, J-2, J-3, and J-4, rated at 2.8 million British thermal units per hour.

(7) Miscellaneous natural gas-fired heaters and air make-up units, identified as H-1, combined rating: 1.915 million British thermal units per hour.

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment: One (1) welding station, identified as W-1. [326 IAC 6-3-2]

(c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone: EU-1a, RR-1, RR-2, RR-3.[326 IAC 6-3-2]

(d) The following VOC and HAP storage containers: Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.

(e) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.

(f) Closed loop heating and cooling systems.

(g) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(h) Paved and unpaved roads and parking lots with public access.

(i) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(j) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling

tower.

(k) Other emergency equipment as follows: Stationary fire pumps.

(l) Other activities or categories not previously identified: Bubble point test; using isopropyl alcohol.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.4 Enforceability [326 IAC 2-8-6]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1 When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.13 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ Southwest Regional Office, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967
Southwest Regional Office: 812-436-2570, facsimile 812-436-2572

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emer-

gency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

(h) Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process

the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.18 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

(b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.19 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsi-

bility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]

(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.9 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and recordkeeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

C.13 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature, flow rate, or pH level, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus

or minus two percent (±2%) of full scale reading.

(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.

(d) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the source must comply with the applicable requirements of 40 CFR 68.

C.15 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall be considered a deviation from the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.17 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]

(a) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8). The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The emission statement does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all recordkeeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is

due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be based on calendar years.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156

(b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Filtration products manufacturing

(a) One (1) carbon cartridge end cap adhesion process, identified as EU-2, installed in 1991, exhausting to Stack B, capacity: 0.784 pounds of adhesive per hour.

(b) One (1) fiberglass baking process, identified as EU-3, installed in 1974, exhausting to Stack D, capacity: 92.57 pounds of fiberglass per hour.

(c) Flo Pak Plastisol process, identified as EU-5, installed in 1994, exhausting to Stack S-6, capacity: 16.35 pounds of plastisol per hour.

(d) One (1) PCC Flo Pak process, installed in 1994, including the curing process, identified as EU-1c, exhausting to Stacks J-1, J-2, J-3, and J-4, capacity: 167 pounds of paper per hour.

(e) One (1) needled media process, installed in 1985, identified as EU-4, controlled with a dust collector DC-3 and exhausting to Stack H, capacity: 682 pounds of media per hour.

(f) One (1) manual spray booth, identified as MB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-5, capacity: 25 steel vessels per hour.

(g) One (1) Pro-Bond process, consisting of the following equipment:

(1) One (1) resin impregnator, identified as R-1, installed in 2001, capacity: 180 logs per hour and 1.3 pounds of resin per log.

(2) One (1) cut and pack process, identified as CP-1, installed in 2001, controlled with a dust collector DC-1 and exhausting to the plant interior, capacity: 180 logs per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6] [326 IAC 8-2-9]

(a) The total VOC input to the one (1) PCC Flo Pak process, including the curing process, identified as EU-1c, installed in 1994, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(b) The total VOC delivered to the applicators at the manual paint booth, identified as MB-1, shall be limited to less than fifteen (15) pounds per day. Therefore, the requirements of 326 IAC 8-2-9 are not applicable.

Compliance with above limitations will render the requirements of 326 IAC 2-7 not applicable.

D.1.2 Hazardous Air Pollutants (HAPs) Limitations [326 IAC 2-8-4]

(a) The worst case single HAP delivered to the processes at EU-1c, EU-2, EU-3, EU-5, MB-1, and R-1 shall be limited to less than a total of 9.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 2-7 do not apply.

(b) The total HAPs delivered to the processes at EU-1c, EU-2, EU-3, EU-5, MB-1, and R-1 shall be limited to less than 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 2-7 do not apply.

D.1.3 Particulate Matter (PM) [326 IAC 6-3-2] [40 CFR 52 Subpart P]

(a) Pursuant to 40 CFR 52 Subpart P, the particulate from the one (1) paint booth (MB-1) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the needled media process, identified as EU-4, shall not exceed 1.99 pounds per hour when operating at a process weight rate of 682 pounds per hour (0.341 tons per hour).

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

(c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the cut and pack process, identified as CP-1, shall not exceed 1.06 pounds per hour when operating at a process weight rate of 266 pounds per hour (0.133 tons per hour).

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.4 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the one (1) paint booth (MB-1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.5 Particulate Control

In order to comply with Conditions D.1.3(b) and (c), the dust collectors for particulate control shall be in operation and control emissions from the needled media process (EU-4) and the cut and pack process (CP-1) at all times that EU-4 and CP-1 are in operation.

D.1.6 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for EU-1c, the one (1) paint booth (MB-1), the needled media process (EU-4), the

cut and pack process (CP-1), and any associated control devices.

Compliance Determination Requirements

D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the VOC usage limitations contained in Condition D.1.1, shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.8 Hazardous Air Pollutants (HAPs) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the HAPs usage limitations contained in Condition D.1.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" HAP data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.9 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stack (S-5) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

D.1.10 Parametric Monitoring

(a) The Permittee shall record the total static pressure drop across the dust collector used in conjunction with the needled media process (EU-4) at least once per shift when EU-4 is in operation. When for any one reading, the pressure drop across the dust collector is outside the normal range of 0.5 and 3.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C-Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(b) The Permittee shall record the total static pressure drop across the dust collector used in conjunction with the cut and pack process (CP-1) at least once per shift when CP-1 is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the dust collector is outside the normal range of 1.0 and 4.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(c) The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.11 Dust Collector Inspections

(a) An inspection shall be performed each calendar quarter of all filter media controlling the needled media process (EU-4). Inspections required by this condition shall not be performed in consecutive months. All defective filter media shall be replaced.

(b) An inspection shall be performed each calendar quarter of all cartridge filters controlling the cut and pack process (CP-1) when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective cartridges shall be replaced.

D.1.12 Broken or Failed Dust Collector Detection

In the event that dust collector failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after dust collector failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment dust collectors, if failure is indicated by a significant drop in the dust collector pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if dust collector failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.13 Record Keeping Requirements

(a) To document compliance with Condition D.1.1(a), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limit established in Condition D.1.1(a). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The VOC content of each coating material and solvent used.

(2) The amount of coating material and solvent less water used on a monthly basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(3) The total VOC usage for each month; and

(4) The weight of VOCs emitted for each compliance period.

(b) To document compliance with Condition D.1.1 (b), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC usage limits established in Condition D.1.1 (b). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The VOC content of each coating material and solvent used.

(2) The amount of coating material and solvent less water used on a daily basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(3) The total VOC usage for each day; and

(4) The weight of VOCs emitted for each compliance period.

(c) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP usage limits established in Condition D.1.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The HAP content of each coating material and solvent used.

(2) The amount of coating material and solvent less water used on a monthly basis.

(A) Records shall include purchase orders, invoices, and material safety data

sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(3) The total single and combination of HAPs usage for each month; and

(4) The weight of single and combination HAPs emitted for each compliance period.

(d) To document compliance with Conditions D.1.4 and D.1.9, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

(e) To document compliance with Condition D.1.10(a), the Permittee shall maintain records once per shift of the total static pressure drop during normal operation. To document compliance with Condition D.1.10(b), the Permittee shall maintain records once per shift of the total static pressure drop during normal operation when venting to the atmosphere.

(f) To document compliance with Condition D.1.11, the Permittee shall maintain records of the results of the inspections required under Condition D.1.11.

(g) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.14 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:

One (1) natural gas-fired boiler, identified as B-1, installed in 1958, exhausting to Stack S-7, rated at 2.68 million British thermal units per hour. [326 IAC 6-2-3]

(b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment: One (1) welding station, identified as W-1. [326 IAC 6-3-2]

(c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone: EU-1a, RR-1, RR-2, RR-3. [326 IAC 6-3-2]

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the particulate emissions from the one (1) boiler, identified as B-1, constructed in 1958, with a heat input capacity of 2.68 million British thermal units per hour, shall be limited to 0.8 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = C \times a \times h / 76.5 \times Q^{0.75} \times N^{0.25}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter for a period not to exceed a sixty (60) minute time period.

N = Number of stacks in fuel burning operation.

a = Plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input.

h = Stack height in feet.

Pursuant to 326 IAC 6-2-3(d), Pt for all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972 shall not exceed 0.8 pounds per million British thermal units. Therefore, the PM emissions from the one (1) boiler, identified as B-1, shall be limited to 0.8 pounds per MMBtu heat input.

D.2.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 Particulate Emission Limitations for Manufacturing Processes) the particulate emission rate from the each of the insignificant activities identified as W-1, EU-1a, RR-1, RR-2, and RR-3 shall not exceed the allowable PM emission rate based on the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City, Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Affidavit (specify) _____

9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City, Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015

This form consists of 2 pages **Page 1 of 2**

9 This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Monthly Report

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City, Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015
Facility: MB-1
Parameter: VOC delivered to the applicators
Limit: Less than fifteen (15) pounds per day

Month: _____ Year: _____

Day	VOC Usage this day at MB-1 (pounds)	Day	VOC Usage this day at MB-1 (pounds)
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16			

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City, Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015
Facility: PCC Flo Pak process EU-1c
Parameter: VOC delivered to the applicators
Limit: Less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: _____

Month	VOC (tons)	VOC (tons)	VOC (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015
Facilities: EU-1c, EU-2, EU-3, EU-5, MB-1, and R-1
Parameter: Worst case single HAP delivered to the applicators
Limit: Less than a total of 9.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: _____

Month	Single HAP (tons)	Single HAP (tons)	Single HAP (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City, Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015
Facilities: EU-1c, EU-2, EU-3, EU-5, MB-1, and R-1
Parameter: Total HAPs delivered to the applicators
Limit: Less than a total of 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: _____

Month	Total HAPs (tons)	Total HAPs (tons)	Total HAPs (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Page 2 of 2

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on: _______________________

Form Completed By: ____

Title/Position: ____

Date: ____

Phone: ____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document for a Federally Enforceable State Operating Permit (FESOP)

Source Name: **Parker Hannifin Corporation, Process Filtration Division**
Source Location: **Highway 66, Tell City, Indiana 47586**
County: **Perry**
SIC Code: **3298**
Operation Permit No.: **F 123-13918-00015**
Permit Reviewer: **Edward A. Longenberger**

On December 4, 2003, the Office of Air Quality (OAQ) had a notice published in the Perry County News in Tell City, Indiana, stating that Parker Hannifin Corporation, Process Filtration Division had applied for a Federally Enforceable State Operating Permit (FESOP) to operate a filtration products manufacturing source with dry filters and dust collectors for particulate control. The notice also stated that OAQ proposed to issue a FESOP for this operation and provided information on how the public could review the proposed FESOP and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this FESOP should be issued as proposed.

Upon further review, the OAQ has decided to make the following changes to the FESOP: The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language is **bolded)**:

Change 1:

The automatic spray booth, identified as AB-1, and the insignificant degreasing unit, identified as PW-1, have been removed from the plant. Therefore, all references to those emission units have been removed from the permit, as shown:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

~~(f) One (1) automatic spray booth, identified as AB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-4, capacity: 550 steel parts per hour.~~

(**f** ~~g~~) One (1) manual spray booth, identified as MB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-5, capacity: 25 steel vessels per hour.

(**g** ~~h~~) One (1) Pro-Bond process, consisting of the following equipment:

(1) One (1) resin impregnator, identified as R-1, installed in 2001, capacity: 180 logs per hour and 1.3 pounds of resin per log.

(2) One (1) cut and pack process, identified as CP-1, installed in 2001, controlled with a dust collector DC-1 and exhausting to the plant interior, capacity: 180 logs per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

~~(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6: One (1) cold cleaner, identified as PW-1, installed in June 1998. [326 IAC 8-3-5]~~

(**b** ~~c~~) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment: One (1) welding station, identified as W-1. [326 IAC 6-3-2]

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Filtration products manufacturing

~~(f) One (1) automatic spray booth, identified as AB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-4, capacity: 550 steel parts per hour.~~

(**f** ~~g~~) One (1) manual spray booth, identified as MB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-5, capacity: 25 steel vessels per hour.

(**g** ~~h~~) One (1) Pro-Bond process, consisting of the following equipment:

(1) One (1) resin impregnator, identified as R-1, installed in 2001, capacity: 180 logs per hour and 1.3 pounds of resin per log.

(2) One (1) cut and pack process, identified as CP-1, installed in 2001, controlled with a dust collector DC-1 and exhausting to the plant interior, capacity: 180 logs per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6] [326 IAC 8-2-9]

(a) The total VOC input to the one (1) PCC Flo Pak process, including the curing process, identified as EU-1c, installed in 1994, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(b) ~~The total VOC delivered to the applicators at the automatic paint booth, identified as AB-1, shall be limited to less than fifteen (15) pounds per day. Therefore, the requirements of 326 IAC 8-2-9 are not applicable.~~

~~(c)~~ The total VOC delivered to the applicators at the manual paint booth, identified as MB-1, shall be limited to less than fifteen (15) pounds per day. Therefore, the requirements of 326 IAC 8-2-9 are not applicable.

Compliance with above limitations will render the requirements of 326 IAC 2-7 not applicable.

D.1.2 Hazardous Air Pollutants (HAPs) Limitations [326 IAC 2-8-4]

(a) The worst case single HAP delivered to the processes at EU-1c, EU-2, EU-3, EU-5, ~~AB-1~~, MB-1, and R-1 shall be limited to less than a total of 9.9 tons per twelve (12) consecutive

month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 2-7 do not apply.

(b) The total HAPs delivered to the processes at EU-1c, EU-2, EU-3, EU-5, ~~AB-1,~~ MB-1, and R-1 shall be limited to less than 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 2-7 do not apply.

D.1.3 Particulate Matter (PM) [326 IAC 6-3-2] [40 CFR 52 Subpart P]

(a) Pursuant to 40 CFR 52 Subpart P, the particulate from the **one (1)** ~~two (2)~~ paint booth~~s~~ (~~AB-1 and~~ MB-1) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.4 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the **one (1)** ~~two (2)~~ paint booth~~s~~ (~~AB-1 and~~ MB-1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.6 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for EU-1c, the **one (1)** ~~two (2)~~ paint booth~~s~~ (~~AB-1 and~~ MB-1), the needled media process (EU-4), the cut and pack process (CP-1), and any associated control devices.

D.1.9 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stack~~s~~ (~~S-4 and~~ S-5) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stack~~s~~ and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

D.1.13 Record Keeping Requirements

(b) To document compliance with Condition~~s~~ D.1.1 (b) ~~and (c)~~, the Permittee shall maintain

records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC usage limits established in Conditions D.1.1 (b) and (c). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:

One (1) natural gas-fired boiler, identified as B-1, installed in 1958, exhausting to Stack S-7, rated at 2.68 million British thermal units per hour. [326 IAC 6-2-3]

~~(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6: One (1) cold cleaner, identified as PW-1, installed in June 1998. [326 IAC 8-3-5]~~

(**b** ~~c~~) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment: One (1) welding station, identified as W-1. [326 IAC 6-3-2]

(**c** ~~d~~) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone: EU-1a, RR-1, RR-2, RR-3. [326 IAC 6-3-2]

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

~~D.2.2 Volatile Organic Compounds (VOC)~~

~~(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser without remote solvent reservoirs constructed after July 1, 1990, shall ensure that the following requirements are met:~~

~~(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:~~

~~(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));~~

~~(B) The solvent is agitated; or~~

~~(C) The solvent is heated.~~

~~(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.~~

~~(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).~~

~~(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.~~

~~(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):~~

~~(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.~~

~~(B) A water cover when solvent is used is insoluble in, and heavier than, water.~~

~~(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.~~

~~(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:~~

~~(1) Close the cover whenever articles are not being handled in the degreaser.~~

~~(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.~~

~~(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.~~

D.2.**2**~~3~~ Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 Particulate Emission Limitations for Manufacturing Processes) the particulate emission rate from the each of the insignificant activities identified as W-1, EU-1a, RR-1, RR-2, and RR-3 shall not exceed the allowable PM emission rate based on the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Monthly Report

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City, Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015
Facility~~ies~~: ~~AB-1 and~~ MB-1
Parameter: VOC delivered to the applicators
Limit: Less than fifteen (15) pounds per day ~~per booth~~

Month: _____ Year: _____

Day	~~VOC Usage this day at AB-1 (pounds)~~	VOC Usage this day at MB-1 (pounds)	Day	~~VOC Usage this day at AB-1 (pounds)~~	VOC Usage this day at MB-1 (pounds)
1			17		
2			18		
3			19		
4			20		
5			21		
6			22		
7			23		
8			24		
9			25		
10			26		
11			27		
12			28		
13			29		
14			30		
15			31		
16					

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.
Deviation has been reported on:

Submitted by:

Title/Position:

Signature:

Date:

Phone:

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015
Facilities: EU-1c, EU-2, EU-3, EU-5, ~~AB-1,~~ MB-1, and R-1
Parameter: Worst case single HAP delivered to the applicators
Limit: Less than a total of 9.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: _____

Month	Single HAP (tons)	Single HAP (tons)	Single HAP (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by:

Title / Position:

Signature:

Date:

Phone:

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Parker Hannifin Corporation, Process Filtration Division
Source Address: Highway 66, Tell City, Indiana 47586
Mailing Address: P.O. Box 339, Tell City, Indiana 47586
FESOP No.: F 123-13918-00015
Facilities: EU-1c, EU-2, EU-3, EU-5, ~~AB-1,~~ MB-1, and R-1
Parameter: Total HAPs delivered to the applicators
Limit: Less than a total of 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: _____

Month	Total HAPs (tons)	Total HAPs (tons)	Total HAPs (tons)
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by:

Title / Position:

Signature:

Date:

Phone:

Attach a signed certification to complete this report.

Change 2:

Due to the removal of the automatic paint booth (AB-1), the Limited Potential to Emit table from page 6 of the Technical Support Document has been revised, and is shown below. Note that the IDEM, OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision:

	Limited Potential to Emit (tons/year)						
Process/facility	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAPs**
Manual paint booth (MB-1)	4.00	4.00	0.00	less than 2.74	0.00	0.00	Single less than 9.9 Total less than 24.9
PCC Flo Pak (EU-1c)	0.00	0.00	0.00	less than 25.0	0.00	0.00	
Carbon cartridge (EU-2)	0.00	0.00	0.00	1.27	0.00	0.00	
Fiberglass baking (EU-3)	0.00	0.00	0.00	8.11	0.00	0.00	
Needled media (EU-4)	5.91	5.91	0.00	0.00	0.00	0.00	
Flo Pak Plastisol (EU-5)	0.00	0.00	0.00	1.43	0.00	0.00	
Pro-Bond process (R-1, CP-1)	0.025	0.025	0.00	19.4	0.00	0.00	
Insignificant Activities	5.10	5.41	0.033	6.30	4.58	5.45	0.10
Total Emissions	15.0	17.3	0.033	64.3	4.58	5.45	Single less than 10 Total less than 25

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD)
for a Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	**Parker Hannifin Corporation, Process Filtration Division**
Source Location:	**Highway 66, Tell City, Indiana 47586**
County:	**Perry**
SIC Code:	**3298**
Operation Permit No.:	**F 123-13918-00015**
Permit Reviewer:	**Edward A. Longenberger**

The Office of Air Quality (OAQ) has reviewed a FESOP application from Parker Hannifin Corporation, Process Filtration Division relating to the operation of a filtration products manufacturing source.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices, or emission units which operate at exemption levels:

(a) One (1) carbon cartridge end cap adhesion process, identified as EU-2, installed in 1991, exhausting to Stack B, capacity: 0.784 pounds of adhesive per hour.

(b) One (1) fiberglass baking process, identified as EU-3, installed in 1974, exhausting to Stack D, capacity: 92.57 pounds of fiberglass per hour.

(c) Flo Pak Plastisol process, identified as EU-5, installed in 1994, exhausting to Stack S-6, capacity: 16.35 pounds of plastisol per hour.

Unpermitted Emission Units and Pollution Control Equipment

The source also consists of the following unpermitted facilities/units:

(d) One (1) PCC Flo Pak process, installed in 1994, including the curing process, identified as EU-1c, exhausting to Stacks J-1, J-2, J-3, and J-4, capacity: 167 pounds of paper per hour

(e) One (1) needled media process, installed in 1985, identified as EU-4, controlled with a dust collector DC-3 and exhausting to Stack H, capacity: 682 pounds of media per hour.

(f) One (1) automatic spray booth, identified as AB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-4, capacity: 550 steel parts per hour.

(g) One (1) manual spray booth, identified as MB-1, installed in 1998, using high volume, low pressure (HVLP) spray equipment and dry filters for overspray control, exhausting to Stack S-5, capacity: 25 steel vessels per hour.

(h) One (1) Pro-Bond process, consisting of the following equipment:

(1) One (1) resin impregnator, identified as R-1, installed in 2001, capacity: 180 logs per hour and 1.3 pounds of resin per log.

(2) One (1) cut and pack process, identified as CP-1, installed in 2001, controlled with a dust collector DC-1 and exhausting to the plant interior, capacity: 180 logs per hour.

New Emission Units and Pollution Control Equipment Receiving Prior Approval

There are no new facilities proposed at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:

(1) One (1) natural gas-fired boiler, identified as B-1, installed in 1958, exhausting to Stack S-7, rated at 2.68 million British thermal units per hour. [326 IAC 6-2-3]

(2) One (1) natural gas-fired cure oven, identified as PC-1, installed in 2001, exhausting to Stack S-1, rated at 1.6 million British thermal units per hour.

(3) One (1) natural gas-fired cure oven, identified as FC-1, installed in 2001, exhausting to Stack S-2, rated at 2.75 million British thermal units per hour.

(4) One (1) natural gas-fired cure oven, identified as SC-1, installed in 2001, exhausting to Stack S-3, rated at 0.35 million British thermal units per hour.

(5) One (1) natural gas-fired oven, identified as CO, rated at 0.35 million British thermal units per hour.

(6) One (1) natural gas-fired oven, identified as EU-1b, installed in 1994, exhausting to Stacks J-1, J-2, J-3, and J-4, rated at 2.8 million British thermal units per hour.

(7) Miscellaneous natural gas-fired heaters and air make-up units, identified as H-1, combined rating: 1.915 million British thermal units per hour.

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6: One (1) cold cleaner, identified as PW-1, installed in June 1998. [326 IAC 8-3-5]

(c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment: One (1) welding station, identified as W-1. [326 IAC 6-3-2]

(d) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone: EU-1a, RR-1, RR-2, RR-3. [326 IAC 6-3-2]

(e) The following VOC and HAP storage containers: Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.

(f) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.

(g) Closed loop heating and cooling systems.

(h) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(i) Paved and unpaved roads and parking lots with public access.

(j) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(k) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(l) Other emergency equipment as follows: Stationary fire pumps.

(m) Other activities or categories **not previously identified**: Bubble point test; using isopropyl alcohol.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

CP 123-3659-00015, issued on May 9, 1994.

All conditions from previous approvals were incorporated into this FESOP.

Enforcement Issue

(a) IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled *Unpermitted Emission Units and Pollution Control Equipment.*

(b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

(c) IDEM is aware that the source was not issued a FESOP by December 14, 1996 nor did they submit a Part 70 application by that date.

(d) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the operation permit rules.

Recommendation

The staff recommends to the Commissioner that the FESOP be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete FESOP application for the purposes of this review was received on February 14, 2001. Additional information was received on April 2, 2001, April 19, 2001 and by telephone on August 14, 2003.

Emission Calculations

See pages 1 through 8 of 8 of Appendix A of this document for detailed emissions calculations.

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	**Potential To Emit** (tons/year)
PM	47.7
PM_{10}	48.0
SO_2	0.033
VOC	125
CO	4.58
NO_X	5.45

Note: For the purpose of determining Title V applicability for particulates, PM_{10}, not PM, is the regulated pollutant in consideration.

HAPs	**Potential To Emit** (tons/year)
Benzene	0.0001
Dichlorobenzene	0.00007
Formaldehyde	9.37
Hexane	0.098

HAPs	Potential To Emit (tons/year)
Toluene	12.9
Lead Compounds	0.00005
Cadmium Compounds	0.00006
Chromium Compounds	0.00008
Manganese Compounds	0.00002
Nickel Compounds	0.0001
Phenol	17.0
Vinyl Acetate	2.00
Methanol	38.9
Xylene	5.00
MEK	3.48
Ethyl Benzene	1.13
Glycol Ethers	15.3
DEHP	1.43
TOTAL	107

(a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of VOC is equal to or greater than one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination HAPs is greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

(d) This source, otherwise required to obtain a Title V permit, has agreed to accept a permit with federally enforceable limits that restrict its PTE to below the Title V emission levels. Therefore, this source will be issued a Federally Enforceable State Operating Permit (FESOP), pursuant to 326 IAC 2-8.

Actual Emissions

No previous emission data has been received from the source.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Federally Enforceable State Operating Permit.

	Limited Potential to Emit (tons/year)						
Process/facility	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAPs**
Automatic paint booth (AB-1)	2.02	2.02	0.00	less than 2.74	0.00	0.00	Single less than 9.9 Total less than 24.9
Manual paint booth (MB-1)	4.00	4.00	0.00	less than 2.74	0.00	0.00	
PCC Flo Pak (EU-1c)	0.00	0.00	0.00	less than 25.0	0.00	0.00	
Carbon cartridge (EU-2)	0.00	0.00	0.00	1.27	0.00	0.00	
Fiberglass baking (EU-3)	0.00	0.00	0.00	8.11	0.00	0.00	
Needled media (EU-4)	5.91	5.91	0.00	0.00	0.00	0.00	
Flo Pak Plastisol (EU-5)	0.00	0.00	0.00	1.43	0.00	0.00	
Pro-Bond process (R-1, CP-1)	0.025	0.025	0.00	19.4	0.00	0.00	
Insignificant Activities	5.10	5.41	0.033	6.30	4.58	5.45	0.10
Total Emissions	17.1	17.4	0.033	67.0	4.58	5.45	Single less than 10 Total less than 25

(a) The two (2) paint booths (AB-1 and MB-1) are limited to less than fifteen (15) pounds of VOC per day, equivalent to 2.74 tons per year, in order to render the requirements of 326 IAC 8-2-9 not applicable.

(b) PCC Flo Pak (EU-1c) is limited to less than twenty-five (25) tons of VOC per year, in order to render the requirements of 326 IAC 8-1-6 not applicable.

County Attainment Status

The source is located in Perry County.

Pollutant	Status
PM_{10}	Attainment
SO_2	Attainment
NO_2	Attainment
Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Perry County has been designated as attainment or unclassifiable for ozone.

(b) Perry County has been classified as attainment or unclassifiable for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Federal Rule Applicability

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.

(b) There are no halogenated solvents used in the degreasing operations. Therefore, this source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), Part 63, Subpart T.

(c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 40 CFR 63, Subpart MMMM, Standards for Surface Coating of Miscellaneous Metal Parts and Products are not applicable to this source, because this source is not a major source of HAPs. The source has accepted a federally enforceable limitation of less than ten (10) tons per year for the worst case single HAP, and less than twenty-five (25) tons per year of total HAPs.

State Rule Applicability - Entire Source

326 IAC 2-4.1 (New source toxics control)

The emissions of the worst-case single HAP from this source are limited to less than ten (10) tons per year, and the emissions of total HAPs are limited to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-4.1 do not apply.

326 IAC 2-6 (Emission Reporting)

This source is located in Perry County and the potential to emit VOC is limited to less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 2-8-4 (FESOP)

Pursuant to this rule, the amount of VOC shall be limited to less than one hundred (100) tons per year. In addition, the amount of a single HAP shall be limited to less than ten (10) tons per year and

the combination of all HAPs shall be limited to less than twenty-five (25) tons per year:

(a) The two (2) paint booths (AB-1 and MB-1) are limited to less than fifteen (15) pounds of VOC per day, which is equivalent to 2.74 tons per year, in order to render the requirements of 326 IAC 8-2-9 not applicable. In addition, PCC Flo Pak (EU-1c) is limited to less than twenty-five (25) tons of VOC per year, in order to render the requirements of 326 IAC 8-1-6 not applicable. These limitations will ensure that the VOC emissions from the entire source are less than one hundred (100) tons per year.

(b) The worst case single HAP delivered to the processes at EU-1c, EU-2, EU-3, EU-5, AB-1, MB-1, and R-1 are limited to less than a total of 9.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Furthermore, the total amount of HAPs delivered to the processes at EU-1c, EU-2, EU-3, EU-5, AB-1, MB-1, and R-1 are limited to less than 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. These limitations will ensure that the HAPs emissions from the entire source, including the HAPs from the insignificant natural gas-fired combustion units, are less than ten (10) tons per year for the worst-case single HAP, and less than twenty-five (25) tons per year for total HAPs.

Therefore, the requirements of 326 IAC 2-7, do not apply.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity limitations), except as provided in 326 IAC 5-1-3 (Temporary alternative opacity limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR Part 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability - Individual Facilities

326 IAC 6-3-2 (Process Operations)

(a) On June 12, 2002, revisions to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) became effective; this rule was previously refered to as 326 IAC 6-3 (Process Operations). As of the date this permit is being issued these revisions have not been approved by EPA into the Indiana State Implementation Plan (SIP); therefore, the following requirement from the previous version of 326 IAC 6-3 (Process Operations) which has been approved into the SIP will remain applicable requirement until the revisions to 326 IAC 6-3 are approved into the SIP and the condition is modified in a subsequent permit action.

Pursuant to 40 CFR 52 Subpart P, the particulate matter (PM) from the two (2) spray booths (AB-1 and MB-1) shall be limited by the following:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

Under the rule revision, particulate from the two (2) spray booths (AB-1 and MB-1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the needled media process, identified as EU-4, shall not exceed 1.99 pounds per hour when operating at a process weight rate of 682 pounds per hour (0.341 tons per hour).

The dust collector shall be in operation at all times the needled media process is in operation, in order to comply with this limit. The PM emissions from the needled media process after controls are 1.35 pounds per hour, which is less than the allowable PM emission rate of 1.99 pounds per hour. Therefore, the needled media process, identified as EU-4, is in compliance with this rule.

(c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the cut and pack process, identified as CP-1, shall not exceed 1.06 pounds per hour when operating at a process weight rate of 266 pounds per hour (0.133 tons per hour).

The dust collector shall be in operation at all times the cut and pack process is in operation, in order to comply with this limit. The PM emissions from the cut and pack process after controls are 0.006 pounds per hour, which is less than the allowable PM emission rate of 1.06 pounds per hour. Therefore, the cut and pack process, identified as CP-1, is in compliance with this rule.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The total VOC emissions from the One (1) PCC Flo Pak process, including the curing process, identified as EU-1c, installed in 1994, are limited to less than twenty-five (25) tons per twelve (12) consecutive month period. Therefore, the requirements of this rule are not applicable.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

The source has accepted a limit on the amount of VOC delivered to the applicators at the paint booths AB-1 and MB-1 of less than fifteen (15) pounds per day, each, in order to render the requirements of 326 IAC 8-2-9 not applicable.

State Rule Applicability - Insignificant Activities

326 IAC 6-2-3 (Particulate Emissions Limitations for Facilities Constructed prior to September 21, 1983)

The one (1) boiler, identified as B-1, constructed in 1958, with a heat input capacity of 2.68 million British thermal units per hour, must comply with the PM emission limitation of 326 IAC 6-2-3. This limitation is based on the following equation given in 326 IAC 6-2-3:

$$Pt = C \times a \times h / 76.5 \times Q^{0.75} \times N^{0.25}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat

input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter for a period not to exceed a sixty (60) minute time period.

N = Number of stacks in fuel burning operation.

a = Plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input.

h = Stack height in feet.

For the one (1) boiler (B-1):

$Pt = 50 \times 0.67 \times 31.5 / 76.5 \times (2.68)^{0.75} \times 1^{0.25} = 6.59$ lb/MMBtu

Pursuant to 326 IAC 6-2-3(d), particulate matter emissions for all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972 shall not exceed 0.8 pounds per million British thermal units. Therefore, the one (1) boiler (B-1) is limited to emissions of 0.8 pounds per million British thermal units.

Based on Appendix A, the total potential to emit of PM from the one (1) boiler (B-1) is 0.022 tons per year.

0.022 tons/yr × (2000 lbs/ton / 8760 hrs/yr) = 0.005 lbs/hr
(0.005 lbs/hr / 2.68 MMBtu/hr) = 0.002 lbs PM per MMBtu

Therefore, the one (1) boiler, identified as B-1, is in compliance with this rule.

326 IAC 8-3-5 (Organic Solvent Degreasing Operations)

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser without remote solvent reservoirs constructed after July 1, 1990, shall ensure that the following requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Testing Requirements

No testing is required for this source because the VOC and HAPs emission data is based on AP-42 emission factors and Material Safety Data Sheets (MSDS).

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal

rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

(a) The two (2) paint booths (AB-1 and MB-1) have applicable compliance monitoring conditions as specified below:

(1) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (S-4, S-5) while one or more of the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(2) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(3) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

These monitoring conditions are necessary because the dry filters for the two (2) paint booths (AB-1 and MB-1) must operate properly to ensure compliance with 40 CFR Subpart P and 326 IAC 2-8 (FESOP).

(b) The needled media process (EU-4) and the cut and pack process (CP-1) have applicable compliance monitoring conditions as specified below:

(1) The Permittee shall record the total static pressure drop across the dust collector used in conjunction with the needled media process (EU-4) at least once per shift when EU-4 is in operation. When for any one reading, the pressure drop across the dust collector is outside the normal range of 0.5 and 3.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside

the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(2) The Permittee shall record the total static pressure drop across the dust collector used in conjunction with the cut and pack process (CP-1) at least once per shift when CP-1 is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the dust collector is outside the normal range of 1.0 and 4.5 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C-Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(3) An inspection shall be performed each calendar quarter of all filter media controlling the needled media process (EU-4). Inspections required by this condition shall not be performed in consecutive months. All defective filter media shall be replaced.

(4) An inspection shall be performed each calendar quarter of all cartridge filters controlling the cut and pack process (CP-1) when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective cartridges shall be replaced.

(5) In the event that dust collector failure has been observed:

(A) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan -Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after dust collector failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(B) For single compartment dust collectors, if failure is indicated by a significant drop in the dust collector pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if dust collector failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and

the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

These monitoring conditions are necessary because the dust collectors for the needled media process (EU-4) and the cut and pack process (CP-1) must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-8 (FESOP).

Conclusion

The operation of this filtration products manufacturing source shall be subject to the conditions of the attached proposed FESOP No.: **F 123-13918-00015.**

Appendix A: Emissions Calculations
Potential Emissions

Company Name: **Parker Hannifin Corporation, Process Filtration Division**
Address City IN Zip: **P.O. Box 339, Highway 66, Tell City, Indiana 47586**
FESOP: **123-13918**
Plt ID: **123-00015**
Reviewer: **Edward A. Longenberger**
Date: **February 14, 2001**

PCC Flo Pak (EU-1c)

Product Number	Pollutant	Weight Percent	Usage Rate (lbs/hr)	Potential Emissions (lbs/hr)	Potential Emissions (tons/yr)
2431-6020	Phenol	0.55%	167	0.919	4.023
	Formaldehyde	0.22%	167	0.367	1.609
	Vinyl Acetate	0.10%	167	0.167	0.731
	Methanol	1.50%	167	2.505	10.972
	Total HAPs	2.37%	167	3.958	17.336
	VOC	4.12%	167	6.880	30.136
2431-6021	Phenol	0.34%	167	0.568	2.487
	Formaldehyde	0.03%	167	0.050	0.219
	Methanol	4.88%	167	8.150	35.695
	Total HAPs	5.25%	167	8.768	38.402
	VOC	5.25%	167	8.768	38.402
2431-6022	Phenol	1.10%	167	1.837	8.046
	Formaldehyde	0.30%	167	0.501	2.194
	Methanol	1.50%	167	2.505	10.972
	Total HAPs	2.90%	167	4.843	21.212
	VOC	4.65%	167	7.766	34.013
2431-6023	Phenol	1.10%	167	1.837	8.046
	Formaldehyde	0.30%	167	0.501	2.194
	Vinyl Acetate	0.10%	167	0.167	0.731
	Methanol	1.50%	167	2.505	10.972
	Total HAPs	3.00%	167	5.010	21.944
	VOC	4.75%	167	7.933	34.744
2431-6024	Phenol	0.55%	167	0.919	4.023
	Formaldehyde	0.22%	167	0.367	1.609
	Methanol	1.50%	167	2.505	10.972
	Total HAPs	2.27%	167	3.791	16.604
	VOC	4.02%	167	6.713	29.405

Worst Case Potential from EU-01c

Worst Case Product	Pollutant	Potential Emissions (lbs/hr)	Potential Emissions (tons/yr)
6022, 6023	Phenol	1.837	8.05
6022, 6023	Formaldehyde	0.501	2.19
6020, 6023	Vinyl Acetate	0.167	0.731
6021	Methanol	8.150	35.7
6021	Total HAPs	8.768	38.4
6021	VOC	8.768	38.4

Appendix A: Emissions Calculations
Potential Emissions

Company Name: **Parker Hannifin Corporation, Process Filtration Division**
Address City IN Zip: **P.O. Box 339, Highway 66, Tell City, Indiana 47586**
FESOP: **123-13918**
Plt ID: **123-00015**
Reviewer: **Edward A. Longenberger**
Date: **February 14, 2001**

Carbon Cartridge End Cap Adhesion (EU-2)

Product Name	Pollutant	Weight Percent	Usage Rate (lbs/hr)	Potential Emissions (lbs/hr)	Potential Emissions (tons/yr)
Adhesive	Vinyl Acetate	36.88%	0.7843	0.289	1.27
	VOC	36.88%	0.7843	0.289	1.27

Fiberglass Baking process (EU-3)

Product Name	Pollutant	Weight Percent	Usage Rate (lbs/hr)	Potential Emissions (lbs/hr)	Potential Emissions (tons/yr)
Fiberglass	Glycol Ethers	2.00%	92.57	1.85	8.11

Flo Pak Plastisol (EU-5)

Product Name	Pollutant	Weight Percent	Usage Rate (lbs/hr)	Potential Emissions (lbs/hr)	Potential Emissions (tons/yr)
Plastisol	DEHP	2.00%	16.35	0.327	1.43
	VOC	2.00%	16.35	0.327	1.43

Pro Bond Process (R-1)

Product Name	Pollutant	Weight Percent	Usage Rate (lbs/hr)	Potential Emissions (lbs/hr)	Potential* Emissions (tons/yr)
Resin Log	Phenol	1.00%	234	2.340	8.97
	Formaldehyde	0.80%	234	1.872	7.17
	Methanol	0.36%	234	0.842	3.23
	Total HAPs	2.16%	234	5.054	19.4
	VOC	2.16%	234	5.054	19.4

* This process must be shut down for cleaning one out of every eight hours, therefore maximum annual production is based on 7665 hrs/yr

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations

Company Name: Parker Hannifin Corporation, Process Filtration Division
Address City IN Zip: P.O. Box 339, Highway 66, Tell City, Indiana 47586
FESOP: 123-13918
Plt ID: 123-00015
Reviewer: Edward A. Longenberger
Date: February 14, 2001

Material	Density (lbs/gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (units/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (pounds per hour)	Potential VOC (pounds per day)	Potential VOC (tons per year)	Particulate Potential (tons/yr)	lbs VOC/gal solids	Transfer Efficiency
Paint Booth AB-1																
Melrose Gray	8.30	65.20%	0.0%	65.2%	0.0%	0.00%	0.00116	550.000	5.41	5.41	3.45	82.86	15.12	2.02	ERR	75%
Thinner	6.90	100.00%	0.0%	100.0%	0.0%	0.00%	0.00171	550.000	6.90	6.90	6.49	155.75	28.42	0.00	ERR	75%
Paint Booth MB-1																
Suede Gray	11.51	29.50%	0.0%	29.5%	0.0%	52.09%	0.01800	25.000	3.40	3.40	1.53	36.67	6.69	4.00	6.52	75%
Thinner	6.90	100.00%	0.0%	100.0%	0.0%	0.00%	0.01000	25.000	6.90	6.90	1.73	41.40	7.56	0.00	ERR	75%
								PM	Control Efficiency	70.00%						
State Potential Emissions			**Add worst case coating to all solvents**						**Uncontrolled**		**13.2**	**317**	**57.8**	**6.02**		
									Controlled		**13.2**	**317**	**57.8**	**1.80**		

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lbs/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lbs/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lbs/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
Total = Worst Coating + Sum of all solvents used

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Parker Hannifin Corporation, Process Filtration Division
Address City IN Zip: P.O. Box 339, Highway 66, Tell City, Indiana 47586
FESOP: 123-13918
Plt ID: 123-00015
Reviewer: Edward A. Longenberger
Date: February 14, 2001

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % MEK	Weight % Ethylene Glycol	Weight % Ethyl Benzene	Weight % Glycol Ethers	Weight % Methanol	Xylene Emissions (tons/yr)	Toluene Emissions (tons/yr)	MEK Emissions (tons/yr)	Benzene Emissions (tons/yr)	Ethylbenzene Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	Methanol Emissions (tons/yr)
Paint Booth AB-1																	
Melrose Gray	8.30	0.00116	550.000	2.00%	40.00%	15.00%	0.00%	0.00%	0.00%	0.00%	0.464	9.28	3.48	0.00	0.00	0.00	0.00
Thinner	6.90	0.00171	550.000	0.00%	10.00%	0.00%	0.00%	0.00%	20.00%	0.00%	0.00	2.84	0.00	0.00	0.00	5.68	0.00
Paint Booth MB-1																	
Suede Gray	11.51	0.01800	25.000	20.00%	0.00%	0.00%	0.00%	5.00%	0.00%	0.00%	4.54	0.00	0.00	0.00	1.13	0.00	0.00
Thinner	6.90	0.01000	25.000	0.00%	10.00%	0.00%	0.00%	0.00%	20.00%	0.00%	0.00	0.756	0.00	0.00	0.00	1.51	0.00
										Individual Total	**5.00**	**12.9**	**3.48**	**0.00**	**1.13**	**7.20**	**0.00**
										Overall Total	**29.7**						

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lbs/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
Baghouse Operations

Company Name: Parker Hannifin Corporation, Process Filtration Division
Address City IN Zip: P.O. Box 339, Highway 66, Tell City, Indiana 47586
FESOP: 123-13918
Plt ID: 123-00015
Reviewer: Edward A. Longenberger
Date: February 14, 2001

Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	Emission Rate before Controls (lb/hr)	Emission Rate before Controls (tons/yr)	Emission Rate after Controls (lb/hr)	Emission Rate after Controls (tons/yr)
CP-1	99.9%	0.00022	3000.0	5.7	24.8	0.006	0.025
Needled Media	50.0%	0.0035	45000.0	2.7	11.8	1.35	5.91

Methodology

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Emission Rate in lbs/hr (before controls) = Emission Rate (after controls): (lbs/hr)/(1-control efficiency)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boiler

Company Name: Parker Hannifin Corporation, Process Filtration Division
Address City IN Zip: P.O. Box 339, Highway 66, Tell City, Indiana 47586
FESOP: 123-13918
Plt ID: 123-00015
Reviewer: Edward A. Longenberger
Date: February 14, 2001

Unit ID	Capacity
PC-1	1.60
FC-1	2.75
SC-1	0.35
B-1	2.68
H-1	1.92
EU-1b	2.80
CO	0.35
Total	**12.45**

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
12.45	109.02

Pollutant

	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.104	0.414	0.033	5.45	0.300	4.58

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).
See page 7 for HAPs emissions calculations.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boiler
HAPs Emissions

Company Name: Parker Hannifin Corporation, Process Filtration Division
Address City IN Zip: P.O. Box 339, Highway 66, Tell City, Indiana 47586
FESOP: 123-13918
Plt ID: 123-00015
Reviewer: Edward A. Longenberger
Date: February 14, 2001

HAPs - Organics

	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.145E-04	6.541E-05	4.088E-03	9.812E-02	1.853E-04

HAPs - Metals

	Lead	Cadmium	Chromium	Manganese	Nickel	Total HAPs
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	2.725E-05	5.996E-05	7.631E-05	2.071E-05	1.145E-04	0.103

Methodology is the same as page 6.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
Total Source Emissions Summary

Company Name: Parker Hannifin Corporation, Process Filtration Division
Address City IN Zip: P.O. Box 339, Highway 66, Tell City, Indiana 47586
FESOP: 123-13918
Plt ID: 123-00015
Reviewer: Edward A. Longenberger
Date: February 14, 2001

Criteria Pollutants

Unit ID	Process	Potential PM (tons/yr)	Potential PM10 (tons/yr)	Potential SO2 (tons/yr)	Potential NOx (tons/yr)	Potential VOC (tons/yr)	Potential CO (tons/yr)
AB-1	Automatic Paint Booth	2.02	2.02	0.00	0.00	43.5	0.00
MB-1	Manual Paint Booth	4.00	4.00	0.00	0.00	14.3	0.00
EU-1c	PCC Flo Pak	0.00	0.00	0.00	0.00	38.4	0.00
EU-2	Carbon Cartridge	0.00	0.00	0.00	0.00	1.27	0.00
EU-3	Fiberglass Baking	0.00	0.00	0.00	0.00	0.00	0.00
EU-4	Needled Media	11.8	11.8	0.00	0.00	0.00	0.00
EU-5	Flo Pak Plastisol	0.00	0.00	0.00	0.00	1.43	0.00
R-1, CP-1	Pro-Bond Process	24.8	24.8	0.00	0.00	19.4	0.00
	Significant Total	**42.6**	**42.6**	**0.00**	**0.00**	**118**	**0.00**
	Insignificant Combustion	0.104	0.414	0.033	5.45	0.300	4.58
	Other Insignificant	5.00	5.00	0.00	0.00	6.00	0.00
	Overall Total	**47.7**	**48.0**	**0.03**	**5.45**	**125**	**4.58**

HAPs

Unit ID	Process	Potential Phenol (tons/yr)	Potential Formaldehyde (tons/yr)	Potential Vinyl Acetate (tons/yr)	Potential Methanol (tons/yr)	Potential Xylene (tons/yr)	Potential Toluene (tons/yr)	Potential MEK (tons/yr)	Potential Ethyl Benzene (tons/yr)	Potential Glycol Ethers (tons/yr)	Potential DEHP (tons/yr)
AB-1	Automatic Paint Booth	0.00	0.00	0.00	0.00	0.464	12.1	3.48	0.00	5.68	0.00
MB-1	Manual Paint Booth	0.00	0.00	0.00	0.00	4.54	0.760	0.00	1.13	1.51	0.00
EU-1c	PCC Flo Pak	8.05	2.19	0.73	35.7	0.00	0.00	0.00	0.00	0.00	0.00
EU-2	Carbon Cartridge	0.00	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU-3	Fiberglass Baking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.11	0.00
EU-4	Needled Media	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU-5	Flo Pak Plastisol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43
R-1, CP-1	Pro-Bond Process	8.97	7.17	0.00	3.23	0.00	0.00	0.00	0.00	0.00	0.00
	Significant Totals	**17.0**	**9.37**	**2.00**	**38.9**	**5.00**	**12.9**	**3.48**	**1.13**	**15.3**	**1.43**
	Insignificant Combustion	0.00	0.004	0.00	0.00	0.00	0.0002	0.00	0.00	0.00	0.00
	Other Insignificant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Overall Totals	**17.0**	**9.37**	**2.00**	**38.9**	**5.00**	**12.9**	**3.48**	**1.13**	**15.3**	**1.43**
	Combined HAPs	**107**									